Funder	Project Title	Funding	Strategic Plan Objective	Institution
Brain & Behavior Research Foundation	Autism Linked LRRTM4-Heparan Sulphate Proteoglycan Complex Functions in Synapse Development	$0	2.1	University of Manitoba
Brain & Behavior Research Foundation	Modeling Pitt-Hopkins Syndrome, an Autism Spectrum Disorder, in Transgenic Mice Harboring a Pathogenic Dominant Negative Mutation in TCF4	$0	2.1	University of North Carolina at Chapel Hill
Department of Defense - Army	DISRUPTION OF TROPHIC INHIBITORY SIGNALING IN AUTISM SPECTRUM DISORDERS	$0	2.1	Northwestern University
Autism Speaks	Dissecting the 16p11.2 CNV endophenotype in induced pluripotent stem cells	$0	2.1	University of California, San Francisco
Autism Speaks	Identification and validation of genetic variants which cause the Autism Macrocephaly subphenotype	$0	2.1	University of California, Los Angeles
Autism Science Foundation	Calcium Channels as a Core Mechanism in the Neurobiology of ASD	$0	2.1	Massachusetts General Hospital
Autism Science Foundation	Genetics Behind Brain Connectivity in ASD	$0	2.1	University of Texas Southwestern Medical Center
Autism Science Foundation	Brain Somatic Mosaicism at ASD-Associated Loci	$0	2.1	University of Michigan
Department of Defense - Army	The role of the new mTOR complex, mTORC2, in autism spectrum disorders	$0	2.1	Baylor College of Medicine
Brain & Behavior Research Foundation	Corticogenesis and Autism Spectrum Disorders: New Hypotheses on Transcriptional Regulation of Embryonic Neurogenesis by FGFs from In Vivo Studies and RNA-sequencing Analysis of Mouse Brain	$0	2.1	Yale University
Department of Defense - Army	Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	$0	2.1	Children's Hospital of Philadelphia
Department of Defense - Army	Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	$0	2.1	Nemours Children's Health System, Jacksonville
Simons Foundation	Electrophysiological consequences of SCN2A mutations found in ASD	$0	2.1	University of California, San Francisco
Simons Foundation	Role of LIN28/let-7 axis in autism	$0	2.1	Johns Hopkins University School of Medicine
Simons Foundation	Role of GABA interneurons in a genetic model of autism	$0	2.1	Yale University
Simons Foundation	CNTNAP2 regulates production, migration and organization of cortical neurons	$0	2.1	Memorial Sloan-Kettering Cancer Center
Simons Foundation	Exploring the Intersection of Autism and Homeostatic Synaptic Plasticity	$0	2.1	University of California, San Francisco
Simons Foundation	Impact of Pten mutations: brain growth trajectory and scaling of cell types	$0	2.1	Scripps Research Institute
Simons Foundation	BAZ1B Haploinsufficiency and the Neuro-phenotypes of Williams Syndrome	$0	2.1	University of California, Santa Barbara

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Simons Foundation	Rescuing synaptic and circuit deficits in an Angelman syndrome mouse model	$0	2.1	University of Arizona
Simons Foundation	Role of Caspr2 (CNTNAP2) in brain circuits-Core	$0	2.1	Weizmann Institute of Science
Simons Foundation	Translational control by RBFox1: investigating its mechanisms and functions	$0	2.1	Trinity College Dublin, The University of Dublin
Simons Foundation	Role of Caspr2 (CNTNAP2) in brain circuits - Project 1	$0	2.1	King's College London
Simons Foundation	Explore the pathogenic role of mTor signaling in chr16p11.2 microdeletion	$0	2.1	Children's Hospital Los Angeles
Simons Foundation	SCN2A mouse	$0	2.1	Duke University Medical Center
Simons Foundation	Modeling multiple heterozygous genetic lesions in autism using Drosophila melanogaster	$0	2.1	University of California, Los Angeles
Simons Foundation	PsychoGenics Inc.	$0	2.1	PsychoGenics Inc.
Simons Foundation	Mouse Model of Dup15q Syndrome	$0	2.1	Texas AgriLife Research
National Institutes of Health	mTOR modulation of myelination	$1	2.1	Vanderbilt University
Brain & Behavior Research Foundation	Interrogating Synaptic Transmission in Human Neurons	$17,500	2.1	Stanford University
Brain & Behavior Research Foundation	a-Actinin Regulates Postsynaptic AMPAR Targeting by Anchoring PSD-95	$19,748	2.1	University of Tuebingen
Autism Research Institute	Unique Mitochondrial Dysfunction in Autism Spectrum Disorder	$20,000	2.1	University of Arkansas
Brain & Behavior Research Foundation	A Novel GABA Signalling Pathway in the CNS	$25,000	2.1	McLean Hospital
Brain & Behavior Research Foundation	Molecular Dimorphism in the Locus Coeruleus May Mediate Sex-specific Differences in Psychiatric Disease Risk	$25,000	2.CC	Washington University in St. Louis
Autism Science Foundation	Genetic mutations in chromosome 16 and their role in autism	$25,000	2.1	University of Texas Southwestern Medical Center
Autism Science Foundation	Study of a potentially novel biomarker for features of ASD	$25,000	2.1	Johns Hopkins University
National Institutes of Health	The Role of Fragile X-related protein 1 in adult neurogenesis	$27,023	2.2	University of Wisconsin-Madison
National Institutes of Health	FMRP and Pumilio co-regulate synaptogenesis by controlling Neuroglian expression	$27,936	2.1	Vanderbilt University
Autism Speaks	Monitoring Treatment-Induced Neuroanatomical Changes in a Mouse Model of Rett Syndrome	$30,000	2.1	The Hospital for Sick Children

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Autism Speaks	Investigating Shank3 function during synaptogenesis in mice to define a therapeutic window for ASD.	$30,000	2.1	Duke University
Autism Speaks	Elucidating synapse-specific defects underlying autism	$30,400	2.1	University of Utah
National Institutes of Health	Determination of the Epigenetic Regulation of Gene Transcription by MECP2 in Neurons	$30,741	2.1	University of Kentucky
National Institutes of Health	A Novel Essential Gene for Human Cognitive Function	$31,881	2.1	Harvard Medical School
Brain & Behavior Research Foundation	Modeling Microglial Involvement in Autism Spectrum Disorders, with Human Neuro-glial Co-cultures	$35,000	2.1	Whitehead Institute for Biomedical Research
Brain & Behavior Research Foundation	Signaling Pathways that Regulate Excitatory-inhibitory Balance	$35,000	2.1	University of California, San Diego
Brain & Behavior Research Foundation	Cellular Mechanisms Controlling White Matter Connectivity: Making Sense of a Genetic Risk Factor for Autism and Schizophrenia	$35,000	2.1	Columbia University
Brain & Behavior Research Foundation	In vivo Imaging of Prefrontal Cortical Activity During Social Interactions in Normal and Autism Mice	$35,000	2.1	Duke University
Brain & Behavior Research Foundation	The Study of Homeostatic Downscaling in Psychiatric Disorders	$35,000	2.1	University of Illinois at Urbana-Champaign
National Institutes of Health	Endoplasmic Reticulum Stress as a Novel Mechanism of Synaptic Dysfunction in Autism-Associated NLGN3 R451C Human Neurons	$37,840	2.1	Rutgers Robert Wood Johnson Medical School
National Institutes of Health	Characterizing the CHD8 Complex to Determine its Role in Autism Spectrum Disorder	$43,576	2.1	Stanford University
National Institutes of Health	Understanding the Role of EPAC2 in Cognitive Function	$48,576	2.1	Northwestern University
Brain & Behavior Research Foundation	Rebuilding Inhibition in the Autistic Brain	$49,680	2.1	Brandeis University
Simons Foundation	MAGEL2, a candidate gene for autism and Prader-Willi syndrome	$53,753	2.1	University of Alberta
National Institutes of Health	Role of the intracellular signal integrator CC2D1A in the developing nervous system	$56,118	2.1	George Washington University
Simons Foundation	In vivo approach to screen ASD allele functions in cortical interneurons	$62,500	2.1	University of California, San Francisco
Simons Foundation	How do autism-related mutations affect basal ganglia function?	$62,500	2.1	University of California, Berkeley
Simons Foundation	Analysis of oxytocin function in brain circuits processing social cues	$62,500	2.1	Harvard University

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Simons Foundation	The Role of Cation/Proton Exchanger NHE9 in Autism	$62,500	2.1	University of California, San Francisco
Brain & Behavior Research Foundation	Mechanisms of eIF4E-dependent Translational Control in Autism	$66,667	2.1	McGill University
Simons Foundation	Restoring GABA inhibition in a Rett syndrome mouse model by tuning a kinase-regulated Cl- rheostat	$66,839	2.1	Yale University
Simons Foundation	Neurobiological basis of connectivity deficits in autism	$67,436	2.1	Fondazione Istituto Italiano di Tecnologia
Simons Foundation	Defining the Translational Landscape in Mouse Models of Autism - Core	$68,750	2.1	University of Massachusetts Medical School
Simons Foundation	Defining the Translational Landscape in Mouse Models of Autism - Project 1	$68,750	2.1	University of Texas Southwestern Medical Center
Simons Foundation	Analysis of Shank3 ubiquitination regulation by RNF31 phosphorylation	$70,000	2.1	Medical University of South Carolina
Simons Foundation	Genetic rescue of a mouse model of Fragile X by targeted deletion of RICTOR	$70,000	2.1	Albert Einsteign College of Medicine
Simons Foundation	Foxp1 orchestration of neuronal function in the striatum	$73,345	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	Signaling Pathways in Autism	$74,611	2.1	University of Nebraska Medical Center
Simons Foundation	Functional and behavioral analysis of zebrafish ASD models	$74,975	2.1	University of Queensland
Brain & Behavior Research Foundation	The Interplay Between Human Astrocytes and Neurons in Psychiatric Disorders	$75,000	2.1	University of California, San Diego
Simons Foundation	Do VIP interneurons drive abnormal prefrontal circuit function in autism?	$75,000	2.1	University of California, San Francisco
Simons Foundation	Does Astrocyte Dysfunction Contribute to Synaptic Pathologies in Autism?	$75,000	2.1	Duke University Medical Center
Simons Foundation	Development of corticothalamic circuits of prefrontal cortex in mouse models of autism	$75,000	2.1	Boston Children's Hospital
Simons Foundation	Exploring Sex Differences in ASD via the NRXN1 KO Rat	$75,000	2.CC	University of Maryland, College Park
Simons Foundation	Assessing thalamocortical circuit function in TSC1 and NHE6 mouse models	$75,000	2.1	Brown University
National Institutes of Health	BDNF regulation of the cortical neuron transcriptome	$77,000	2.1	University of Colorado Denver
Simons Foundation	The Medical College of Wisconsin, Inc.	$79,243	2.1	The Medical College of Wisconsin, Inc.
Simons Foundation	Autophagy pathway alterations in lymphocytes: Potential biomarkers for autism?	$79,551	2.1	Columbia University

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National Institutes of Health	Alternative splicing-mediated mechanisms of cortical interneuron maturation and circuit integration	$96,751	2.1	New York University School of Medicine
Simons Foundation	Identification of shared transcriptional profiles with three high-confidence autism mouse models	$100,000	2.1	University of North Carolina at Chapel Hill
National Institutes of Health	Project 4: Calcium Signaling Defects in Autism (Pessah/Lein)	$115,417	2.1	University of California, Davis
National Institutes of Health	Tet-mediated Epigenetic Modulation in Autism	$117,000	2.1	Emory University
Autism Speaks	CYFIP function/s in brain: insights into Autism Spectrum Disorders	$117,500	2.1	Vlaams Instituut voor Biotechnologie
Simons Foundation	Interneuron subtype-specific malfunction in autism spectrum disorders	$120,000	2.1	New York University School of Medicine
National Institutes of Health	Role of Autism Susceptibility Gene, TAOK2 kinase, and its novel substrates in Synaptogenesis	$121,022	2.1	University of California, San Francisco
Simons Foundation	Neuronal translation in Tsc2+/- and Fmr1-/y mutant ASD mouse models	$124,999	2.1	Columbia University
Simons Foundation	Mechanisms that Connect Autism with Homeostatic Synaptic Plasticity	$125,000	2.1	University of California, San Francisco
Simons Foundation	Role of the hippocampal CA2 region in autism	$125,000	2.1	Columbia University Medical Center
Simons Foundation	Canonical Computations in Autism	$137,070	2.1	Baylor College of Medicine
National Institutes of Health	Endocannabinoids in social and repetitive behavioral domains	$143,746	2.1	Vanderbilt University
National Institutes of Health	Functional Analysis of Rare Variants in Genes Associated with Autism	$147,905	2.1	Yale University
National Institutes of Health	Tools for manipulating local protein synthesis in the brain	$148,500	2.1	University of Toronto
Simons Foundation	Neurobiology of Rai1, a critical gene for syndromic ASDs	$175,000	2.1	Stanford University
National Institutes of Health	Rescuing Motor Deficits In SHANK3 Releated Disorders	$178,190	2.1	Baylor College Of Medicine
National Institutes of Health	mTOR modulation of myelination	$179,658	2.1	Vanderbilt University Medical Center
National Institutes of Health	Mechanisms underlying the Cerebellar Contribution to Autism in Mouse Models of Tuberous Sclerosis Complex	$190,458	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	Coordinate actions between methyl-CpG binding proteins in neuronal development	$191,250	2.1	University of Wisconsin-Madison
National Institutes of Health	Chloride homeostasis and GABA maturation in fragile X syndrome	$193,125	2.1	Northwestern University

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National Institutes of Health	The Nature of Astrocyte Heterogeneity in RTT	$196,974	2.1	Baylor College Of Medicine
National Institutes of Health	Deficits in KCC2 activity and the pathophysiology of Autism spectrum disorders	$206,250	2.1	Tufts University Boston
Autism Speaks	Temporal divergence of hypoconnectivity and excitotoxicity in Rett syndrome	$215,784	2.1	Vanderbilt University
Simons Foundation	Role of a novel PRCI complex in neurodevelopment and ASD neurobiology	$225,000	2.1	New York University School of Medicine
National Institutes of Health	A mouse model for AUTS2-linked neurodevelopmental disorders	$228,838	2.1	University of Illinois at Urbana-Champaign
National Institutes of Health	Decoding the RGS14 Interactome/Signalosome in CA2 hippocampal neurons	$234,000	2.1	Emory University
National Institutes of Health	BPA, Cortical Development and Gene Expression: Implications for Autism	$236,192	2.1	University of Illinois at Urbana-Champaign
National Institutes of Health	Identification of human-relevant CLOCK molecular signaling pathways	$242,625	2.2	University of Texas Southwestern Medical Center
National Institutes of Health	Protein Interaction Network Analysis to Test the Synaptic Hypothesis of Autism	$244,566	2.1	Seattle Children's Hospital
National Institutes of Health	Molecular mechanisms of electrical synapse formation in vivo	$249,000	2.1	University of Oregon
National Institutes of Health	Foxp2 regulation of sex specific transcriptional pathways and brain development	$249,000	2.CC	Virginia Polytechnic Institute and State University
National Institutes of Health	Astrocytes contribution to tuberous sclerosis pathology	$249,750	2.1	Yale University
Simons Foundation	Cellular models for autism de novo mutations using human stem cells	$250,000	2.Core/Other	Broad Institute, Inc.
Simons Foundation	Chromatin remodeling in autism	$250,000	2.1	Stanford University
Simons Foundation	Translational dysregulation in autism pathogenesis and therapy	$250,000	2.1	Massachusetts General Hospital
Simons Foundation	The role of PTCHD1 in thalamic reticular nucleus function and ASD	$250,000	2.1	Massachusetts Institute of Technology
Simons Foundation	Molecular consequences of strong effect ASD mutations including 16p11.2	$250,000	2.1	Massachusetts General Hospital
National Institutes of Health	Sex-specific regulation of social play	$250,400	2.CC	Boston College
National Institutes of Health	Stem cell- based studies of gene-environment interactions in PTEN-associated autism	$260,250	2.1	University of California, Los Angeles
National Institutes of Health	Functional Genomics of Human Brain Development	$266,096	2.1	Yale University

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National Institutes of Health	Scalable technologies for genome engineering in hIPSCs	$306,948	2.1	University of California, San Diego
National Institutes of Health	Role of UBE3A in the Central Nervous System	$321,269	2.1	University of North Carolina at Chapel Hill
National Institutes of Health	Spastic paraplegia, neurodegeneration and autism: possible role for AT-1/SLC33A1?	$330,978	2.1	University of Wisconsin-Madison
National Institutes of Health	Molecular Pathogenesis Studies of Rett Syndrome	$346,719	2.1	Baylor College of Medicine
National Institutes of Health	Role of Brg1 in Activity-Induced Neuronal Gene Expression and Synaptic Plasticity	$365,696	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	Functional analysis of Neuroligin-Neurexin interactions in synaptic transmission	$366,406	2.1	University of Massachusetts Medical School
National Institutes of Health	Experience-dependent plasticity of synaptic structure.-Resubmission-1	$370,781	2.1	New York University School of Medicine
National Institutes of Health	Translational Regulation of Adult Neural Stem Cells	$372,646	2.1	University of Wisconsin-Madison
National Institutes of Health	Translation, Synchrony, and Cognition	$379,689	2.1	New York University
National Institutes of Health	Molecular mechanisms of the synaptic organizer alpha-neurexin	$379,844	2.1	University of Texas Medical Branch at Galveston
National Institutes of Health	The Role of BK Channels in Neuropathology of Fragile X Syndrome	$380,000	2.1	Washington University in St. Louis
National Institutes of Health	Development and afferent regulation of auditory neurons	$380,000	2.1	Florida State University
National Institutes of Health	Akt-mTOR Pathway Impact on Neural Stem Cell Fates	$380,133	2.1	Richard Stockton College of New Jersey
National Institutes of Health	Neurobiological Mechanism of 15q11-13 Duplication Autism Spectrum Disorder	$380,625	2.1	Beth Israel Deaconess Medical Center
National Institutes of Health	Genetic and Developmental Analyses of Fragile X Mental Retardation Protein	$383,322	2.1	Vanderbilt University
National Institutes of Health	Phenotyping Astrocytes in Human Neurodevelopmental Disorders	$386,463	2.1	Stanford University
National Institutes of Health	Role of MEF2 and neural activity in cortical synaptic weakening and elimination	$394,331	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	Optogenetic treatment of social behavior in autism	$395,996	2.1	University of California, Los Angeles
National Institutes of Health	New Models For Astrocyte Function in Genetic Mouse Models of Autism Spectrum Diso	$396,250	2.1	Cleveland Clinic
National Institutes of Health	Investigating the Mechanism of Optic Nerve Hypoplasia Associated with CASK Mutation	$396,400	2.2	Virginia Polytechnic Institute and State University
National Institutes of Health	Shank3 in Synaptic Function and Autism	$401,250	2.1	Massachusetts Institute of Technology

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National Institutes of Health	The role of Foxp1-regulated signaling pathways in brain development and behavior	$405,000	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	The Impact of Pten Signaling on Neuronal Form and Function	$405,000	2.1	Dartmouth College
National Institutes of Health	Autism-linked endosomal mechanisms in neuronal arborization and connectivity	$406,250	2.1	Brown University
National Institutes of Health	Mechanisms of circuit failure and treatments in patient-derived neurons in autism	$406,250	2.1	Brown University
National Institutes of Health	Biology of Non-Coding RNAs Associated with Psychiatric Disorders	$416,850	2.1	University of Southern California
National Institutes of Health	Adult Neurogenesis and Executive Function	$417,500	2.1	Albert Einsteign College of Medicine
National Institutes of Health	Monoallelic expression in neurons derived from induced pluripotent stem cells	$417,500	2.1	Albert Einsteign College of Medicine
National Institutes of Health	High content assays for cellular and synaptic phenotypes	$421,623	2.Core/Other	University of California, San Diego
National Institutes of Health	Neuronal Adaptation and Plasticity after Chronic Disuse	$423,750	2.1	New York University School of Medicine
National Institutes of Health	Analysis of Shank3 Complete and Temporal and Spatial Specific Knockout Mice	$425,202	2.1	Duke University
National Institutes of Health	Heparan sulfate in neurophysiology and neurological disorders	$425,746	2.1	Sanford Burnham Prebys Medical Discovery Institute
National Institutes of Health	Neurodevelopmental Phenotypes in MLL mutant mice	$435,379	2.1	Icahn School of Medicine At Mount Sinai
National Institutes of Health	SLC7A5-MTOR Regulation of Neural Development	$442,241	2.1	Clemson University
National Institutes of Health	Reproducible protocols for robust cortical neuron and astroglial differentiation	$453,211	2.Core/Other	University of California, San Diego
National Institutes of Health	Regulation of mTOR signaling in the developing cerebral cortex as a point of convergence for multiple autism risk factors	$480,000	2.1	Scripps Research Institute - Florida
National Institutes of Health	Dissecting neural mechanisms integrating multiple inputs in C. elegans	$485,000	2.1	Salk Institute for Biological Studies
National Institutes of Health	Gaining insight into psychiatric disease by engineering piece by piece the human brain in vitro.	$489,075	2.1	Stanford University
National Institutes of Health	Regulation of Mammalian Social Behavior by the Gtf2i Family of Proteins	$501,347	2.1	Washington University in St. Louis
National Institutes of Health	Synaptic pathophysiology of the 16p11.2 microdeletion mouse model	$531,026	2.2	Massachusetts Institute of Technology
National Institutes of Health	Dissecting recurrent microdeletion syndromes using dual-guide genome editing	$580,798	2.1	Massachusetts General Hospital

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National Institutes of Health	Proteogenetics of Autism Spectrum Disorders	$583,992	2.1	Scripps Research Institute
Department of Defense - Army	Forward Genetic Screen to Identify Novel Therapeutic Entry Points of an Autism Spectrum Disorder	$587,878	2.1	Baylor College of Medicine
National Institutes of Health	Mechanotransduction C. elegans	$588,908	2.1	Massachusetts General Hospital
National Institutes of Health	Function and Structure Adaptations in Forebrain Development	$590,225	2.1	Children's Hospital Los Angeles
National Institutes of Health	Dynamic regulation of Shank3 and ASD	$602,491	2.1	Johns Hopkins University
National Institutes of Health	Tet-mediated Epigenetic Modulation in Autism	$603,129	2.1	Emory University
National Institutes of Health	Neuronal Activity-Dependent Regulation of MeCP2	$606,287	2.1	Harvard Medical School
National Institutes of Health	Neurobiology of Autism With Macrocephaly	$614,548	2.1	Yale University
National Institutes of Health	Impact of SynGAP1 Mutations on Synapse Maturation and Cognitive Development	$614,568	2.1	Scripps Research Institute - Florida
National Institutes of Health	Induced neuronal cells: A novel tool to study neuropsychiatric diseases	$615,259	2.1	Stanford University
National Institutes of Health	Neurotrophic Factor Regulation of Gene Expression	$622,854	2.1	Harvard Medical School
National Institutes of Health	Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	$639,375	2.1	Memorial Sloan-Kettering Cancer Center
National Institutes of Health	MRI Biomarkers of Patients with Tuberous Sclerosis Complex and Autism	$728,507	2.1	Boston Children's Hospital
National Institutes of Health	Single-cell approaches to deconvolution of disease-associated signals	$736,293	2.Core/Other	University of California, San Diego
National Institutes of Health	The Elongation Hypothesis of Autism	$760,000	2.1	University of North Carolina at Chapel Hill
National Institutes of Health	A Family-Genetic Study of Autism and Fragile X Syndrome	$868,531	2.1	Northwestern University
National Institutes of Health	Regulation of Neuroligins and Effects on Synapse Number and Function	$1,133,599	2.1	National Institutes of Health
National Institutes of Health	Functional Genomics of Human Brain Development	$1,621,706	2.1	Yale University
National Institutes of Health	Dysregulation of Protein Synthesis in Fragile X Syndrome and Other Developmental Disorders	$1,626,666	2.2	National Institutes of Health